



TITLE: METHODS AND SYSTEMS FOR CONVERTING WASTE INTO ENERGY

Inventor: Schien et al.

Dkt No. 12129-00018

S.N. 10/812,153

Robert E. Slenker Phone: 314-621-5070

REPLACEMENT SHEET

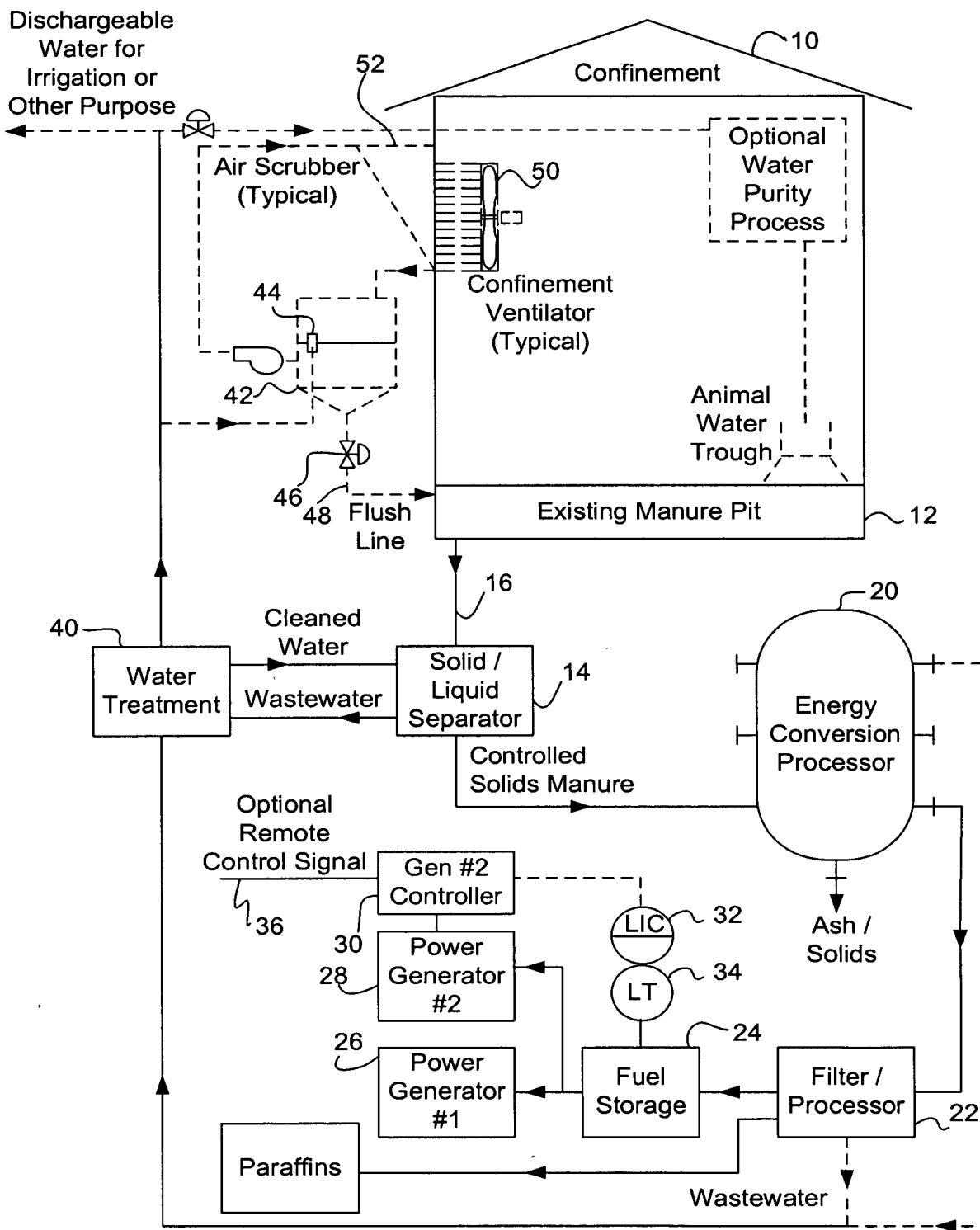


FIG. 1

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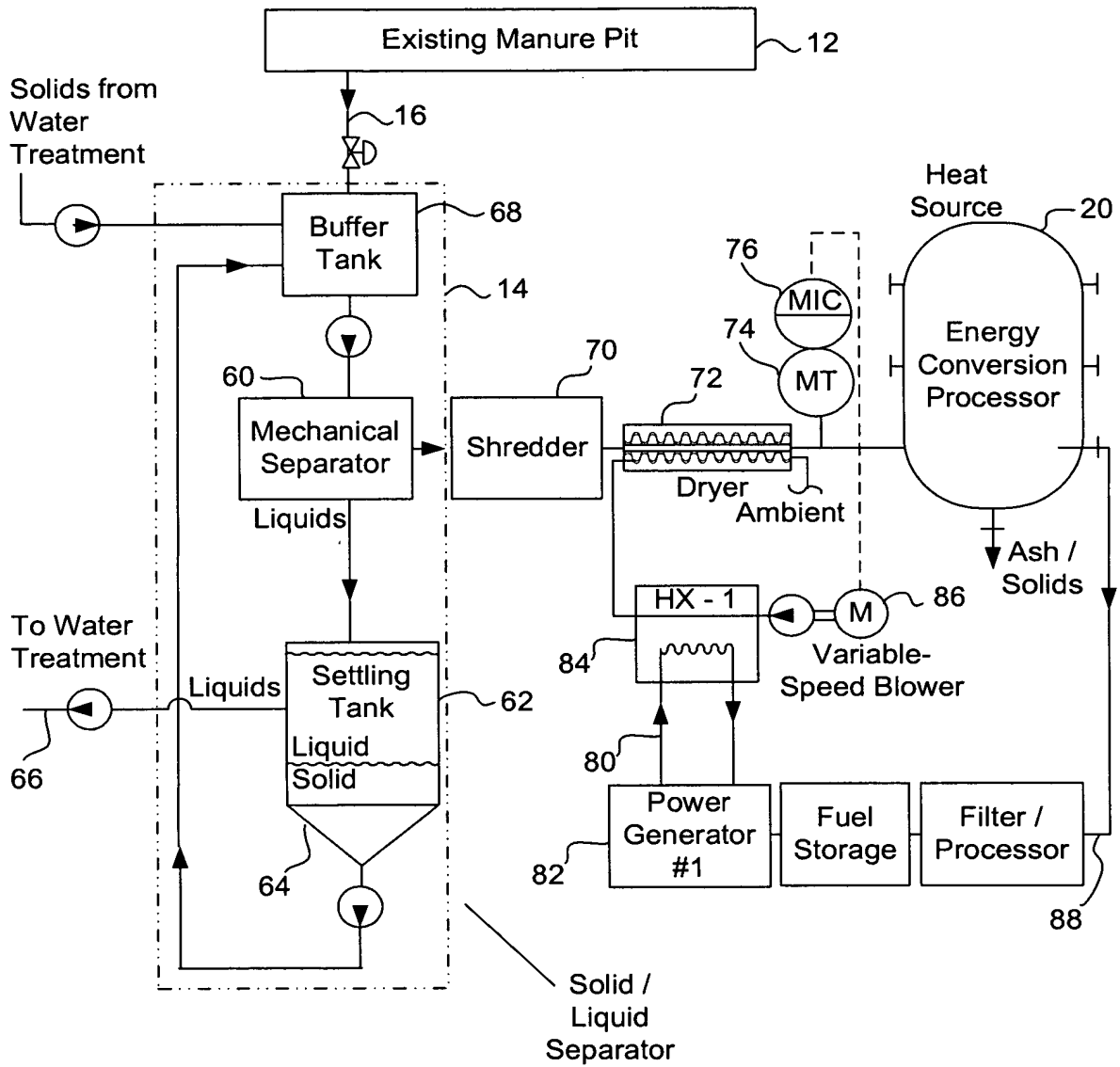


FIG. 2

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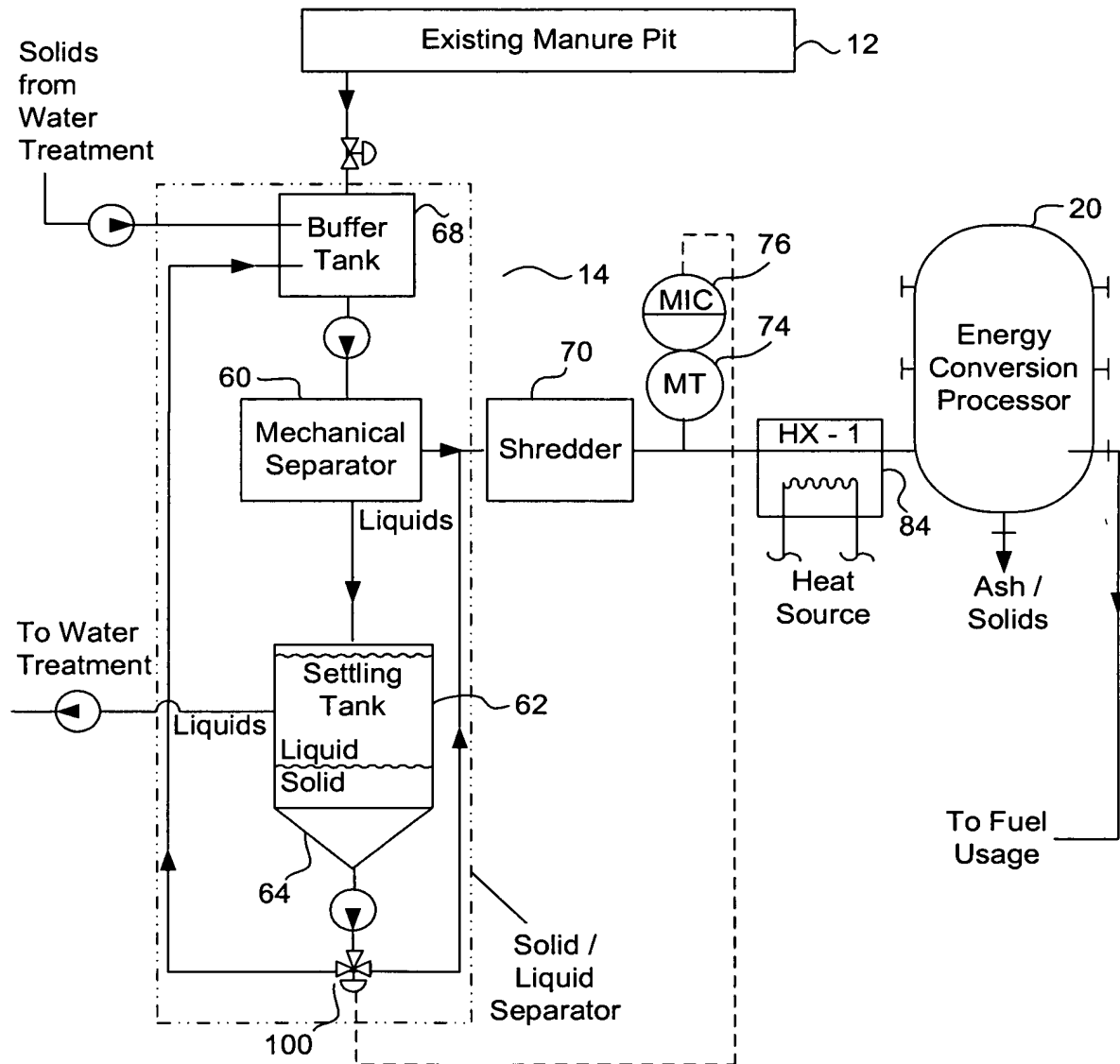


FIG. 3

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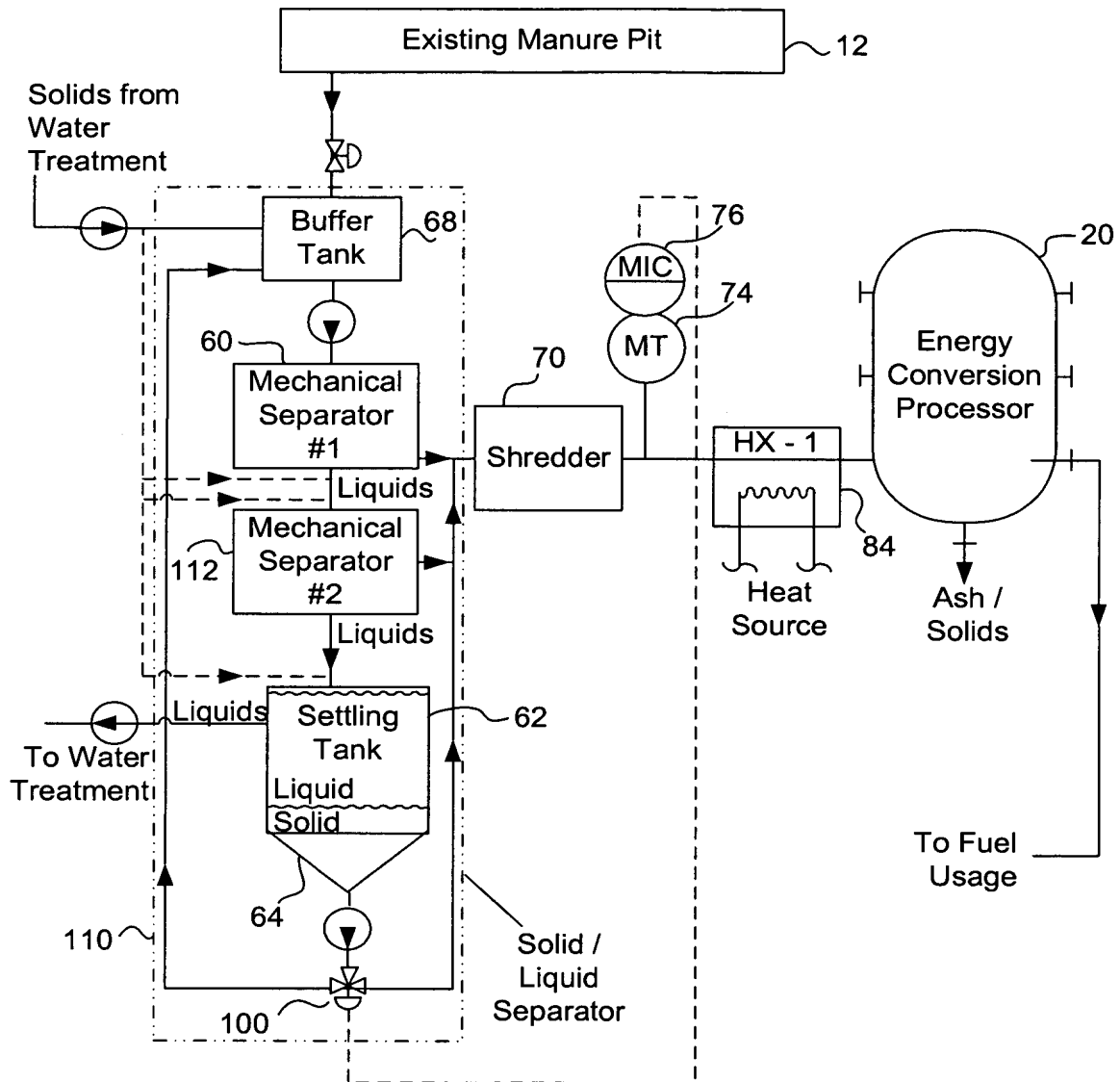


FIG. 4

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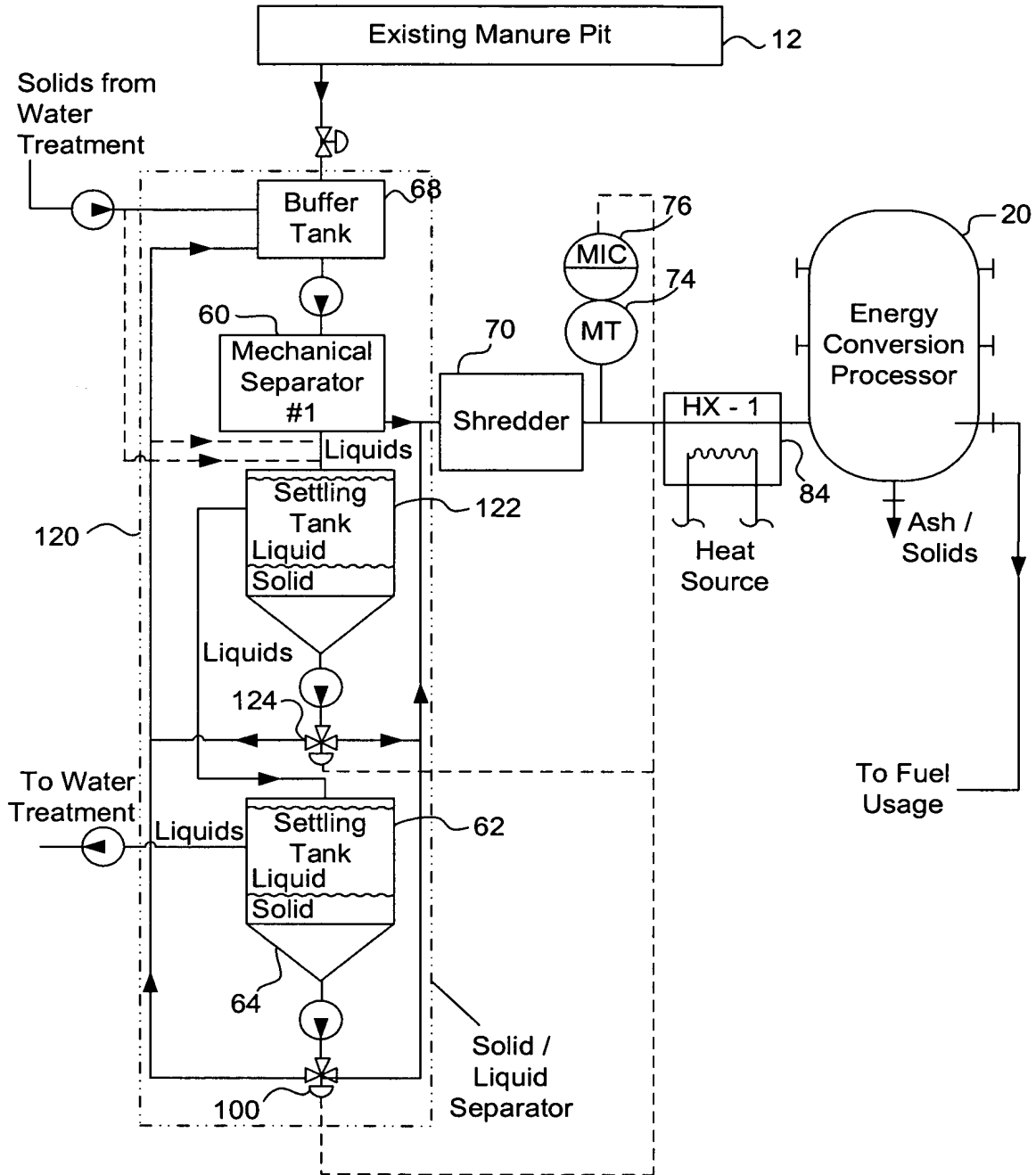


FIG. 5

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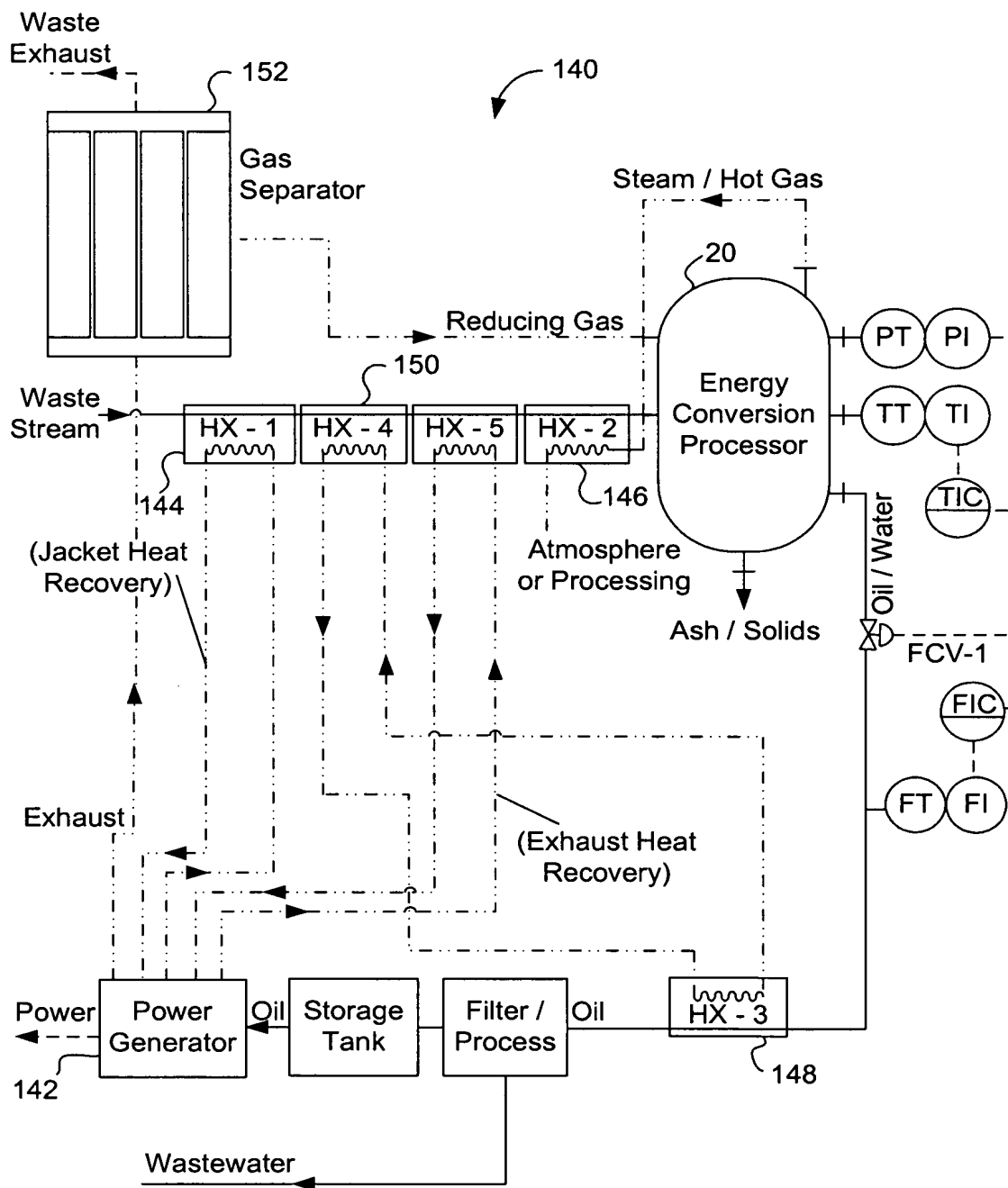


FIG. 6

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The diagram illustrates a manure processing system. It begins with an 'Existing Manure Pit' (12) which feeds into a 'Buffer Tank' (68). From the Buffer Tank, liquids are sent to a 'Mechanical Separator' (60) and solids are sent to a 'Settling Tank' (122). The Mechanical Separator (60) feeds into a 'Shredder' (70), which then feeds into an 'Energy Conversion Processor' (20). The Settling Tank (122) feeds into another 'Settling Tank' (64). The second Settling Tank (64) has a 'Liquid / Solid Separator' (62) that feeds back into the Mechanical Separator (60). The second Settling Tank (64) also has a 'To Water Treatment' outlet. The Energy Conversion Processor (20) has a 'Heat Source' (84) and a 'To Fuel Usage' outlet. The final output is 'Ash / Solids'.

FIG. 7

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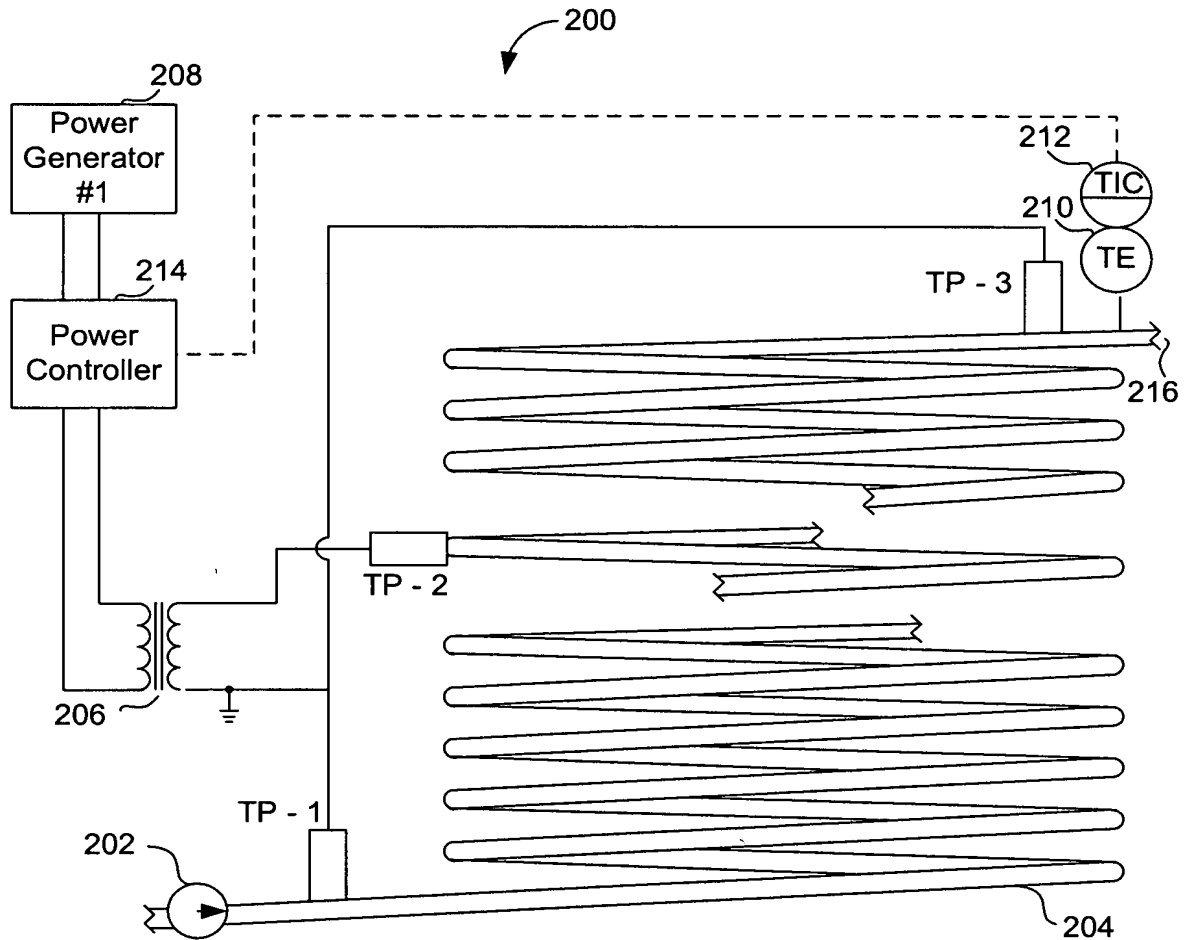
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**FIG. 8**